Project	Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing unit, Bellahalli, Bagalure and Kattigenahalli Byatarayanapura Constituency.
Client	Bruhat Bengaluru Mahanagara Palike
Consultant	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri.A G. Narayana Swamy.

FLAKINESS AND ELONGATION INDICES (IS 2386, PART 1)

Type of Material	WMM	Proposed Use	WMM
Sample Location	Chokkanahalli Layout Main Road	Date of Sampling	23-06-2021
		Date of Testing	24-06-2021

Size of aggregate		Flakiness Index		Elongation Index	
Passing through IS sieve, mm	Retained on IS sieve, mm	Total wt. of aggregate retained on sieves (A) gms.	Wt. of aggregate passing from Flakiness gauge (B) gms	Wt. of aggregate retained on Flakiness gauge (C) gms	Wt. of aggregate retained on Elongation gauge after retained on Flakiness gauge(D)gms
63.0	50.0	0	0	0	0
50.0	40.0	0	0	0	0
40.0	31.5	0	0	0	0
31.5	25.0	0	0	0	0
25.0	20.0	0	0	0	0
20.0	16.0	624	83	520	75
16.0	12.5	1142	122	1012	118
12.5	10.0	790	65	745	65
10.0	6.3	625	56	565	42
Total		**3181**	**326**	**2842**	**300**

Note: Minimum 200 Pcs should be taken on each fraction of test

Flakiness Index(%):	10.25
Elongation Index(%):	10.56
Combined FI+EL (%)	20.80

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Consultant's Representative

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Name of Work	:	Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.
Client	:	Bruhat Bengaluru Mahanagara Palike
Consultant	:	TEJUS CONSULTANTS, Basaveshwar Nagar Bangalore
Contractor	:	Sri.A G. Narayana Swamy.
Date of Testing	:	24-06-2021
Type of Mix	:	WMM
Sample I/D	:	WMM 3

GRADATION FOR WMM
(As per MORT&H 400-11)

Sample Location:	Chokkanahalli Layout Main Road	**Date of Sampling:**	23-06-2021
		Date of testing:	24-06-2021
Type of material & Purpose:	WMM	**Oven Dry Wt.(gms):**	10000.0

IS Sieve size in mm	Weight retained	Cummulative weight retained (gm)	Cummulative % of retained	Cummulative % of passing	Specification limits
53	0	0	0.00	100.00	100.00
45	367	367	3.67	96.33	95-100
22.4	2415	2782	27.82	72.18	60-80
11.2	2480	5262	52.62	47.38	40-60
4.75	1488.0	6750	67.50	32.50	25-40
2.36	795.0	7545	75.45	24.55	15-30
0.6	830.0	8375	83.75	16.25	8.0-22.0
0.075	995.0	9370	93.70	6.30	0-8
Pan	630.0	10000			
Total	10000.0				

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Name of Work	:	Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.
Client	:	Bruhat Bengaluru Mahanagara Palike
Consultant	:	TEJUS CONSULTANTS, Basaveshwar Nagar Bangalore
Contractor	:	Sri.A G. Narayana Swamy.
Date of Testing	:	24-06-2021
Type of Mix	:	WMM
Sample I/D	:	WMM 4

GRADATION FOR WMM
(As per MORT&H 400-11)

Sample Location:	Thirumenahalli Main Road	**Date of Sampling:**	23-06-2021
		Date of testing:	24-06-2021
Type of material & Purpose:	WMM	**Oven Dry Wt.(gms):**	10000.0

IS Sieve size in mm	**Weight retained**	**Cummulative weight retained (gm)**	**Cummulative % of retained**	**Cummulative % of passing**	**Specification limits**
53	0	0	0.00	100.00	100.00
45	366	366	3.66	96.34	95-100
22.4	2415	2781	27.81	72.19	60-80
11.2	2480	5261	52.61	47.39	40-60
4.75	1488.0	6749	67.49	32.51	25-40
2.36	795.0	7544	75.44	24.56	15-30
0.6	830.0	8374	83.74	16.26	8.0-22.0
0.075	995.0	9369	93.69	6.31	0-8
Pan	631.0	10000			
Total	10000.0				

Asst. Executive Engineer
Project Division
BBMP, Bangalore - 92

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TEJUS
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Project	**Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.**
Client	**BRUHAT BANGALORE MAHANAGARA PALIKE**
Consultant	**M/s Tejus Consultants**
Contractor	**Sri.A G. Narayana Swamy.**

Field Dry Density test by Sand Replacement Method (As per IS 2720 (Part 28))

Date of Testing	**24-06-2021**		
Layer no. or level	GSB layer		
Depth of hole	150mm		
Field density:	**1**	**2**	**2**
Chainage / Location	**Thirumenahalli Main Road at Ch:130**	**Thirumenahalli Main Road at Ch:265**	**Thirumenahalli Main Road at Ch:380**
Wt. of wet material from hole (Ww) gms.	5983	5972	5990
Wt. of sand+cylinder before pouring (w1) gms.	15000	15000	15000
Wt. of sand+cylinder after pouring (w2) gms.	10582	10575	10578
Wt. of sand in hole+ cone (w3) gms.	4418	4425	4422
Wt. of cone gms.	1080	1080	1080
Wt. of sand gms.	3338	3345	3342
Bulk density of sand (γs)gm/cc	1.32	1.32	1.32
Bulk density of material(i.e. wt. of the wet material) (γb)=(Ww/w4*(γs))gm/cc	2.37	2.36	2.37
Moisture meter reading(moisture content)	6.50	6.40	6.40
Result			
FDD(Wt.of the dry material)=(100γb/100+mc)gm/cc	2.22	2.21	2.22
MDD	2.25	2.25	2.25
OMC	6.30%	6.30%	6.30%
% compaction obtained	98.74	98.44	98.83
% compaction required	98%	98%	98%

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Project	Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri.A G. Narayana Swamy.
Grade of concrete:	M20
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959
Sample Location	Ch:90 RHS Agrahara Badavane Cross Road (For Raft)

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	24-06-2021	01-07-2021	7 days	8.155	22500	313	13.91	13.78
2	24-06-2021	01-07-2021	7 days	8.164	22500	307	13.64	
3	24-06-2021	01-07-2021	7 days	8.195	22500	310	13.78	

Asst. Executive Engineer
Public Division
BBMP, Bangalore-23

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Project	Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri.A.G. Narayana Swamy.
Grade of concrete:	M20
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959
Sample Location	Ch:90 RHS Agrahara Badavane Cross Road (For Raft)

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	24-06-2021	22-07-2021	28 days	8.158	22500	513	22.80	22.43
2	24-06-2021	22-07-2021	28 days	8.169	22500	499	22.18	
3	24-06-2021	22-07-2021	28 days	8.175	22500	502	22.31	

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Project	Development works to be under taken in ward no.5 of BBMP around solidwaste disposal procesing units bellalli bagaluru and kattigenalli , byatarayanapura constituncy ,
Client	Bruhat Bengaluru Mahanagara Palike
Consultant	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri.A G. Narayana Swamy.

Field Dry Density test by Sand Replacement Method (As per IS 2720 (Part 28)

	Date:	**25-06-2021**
Layer no. or level	WMM I layer	
Depth of hole	200mm	
Field density:	**1**	**2**
Chainage	**Chokkanahalli Layout Main Road at Ch:65**	**Chokkanahalli Layout Main Road at Ch:130**
Wt. of wet material from hole (Ww) gms.	5989	5995
Wt. of sand+cylinder before pouring (w1) gms.	15000	15000
Wt. of sand+cylinder after pouring (w2) gms.	10595	10594
Wt. of sand in hole+ cone (w3) gms.	4405	4406
Wt. of cone gms.	1080	1080
Wt. of sand gms.	3325	3326
Bulk density of sand (γs)gm/cc	1.32	1.32
Bulk density of material(i.e. wt. of the wet material) (γb)=(Ww/w4*(γs))gm/cc	2.38	2.38
Moisture meter reading(moisture content)	6.40	6.20
Result		
FDD(Wt.of the dry material)=(100γb/100+mc)gm/cc	2.23	2.24
MDD	2.27	2.27
OMC	6.10%	6.10%
% compaction obtained	98.44	98.69
% compaction required	98%	98%

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Project	Development works to be under taken in [illegible] around solidwaste disposal procesing units bellalli bagaluru and kattigenalli , byatarayanapura constituncy ,
Client	Bruhat Bengaluru Mahanagara Palike
Consultant	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri.A G. Narayana Swamy.

Field Dry Density test by Sand Replacement Method (As per IS 2720 (Part 28)

	Date:	**25-06-2021**
Layer no. or level	WMM I layer	
Depth of hole	200mm	
Field density:	**1**	**2**
Chainage	**Chokkanahalli Layout Main Road at Ch:205**	**Chokkanahalli Layout Main Road at Ch:335**
Wt. of wet material from hole (Ww) gms.	5984	5991
Wt. of sand+cylinder before pouring (w1) gms.	15000	15000
Wt. of sand+cylinder after pouring (w2) gms.	10595	10594
Wt. of sand in hole+ cone (w3) gms.	4405	4406
Wt. of cone gms.	1080	1080
Wt. of sand gms.	3325	3326
Bulk density of sand (γs)gm/cc	1.32	1.32
Bulk density of material(i.e. wt. of the wet material) (γb)=(Ww/w4*(γs))gm/cc	2.38	2.38
Moisture meter reading(moisture content)	6.40	6.20
Result		
FDD(Wt.of the dry material)=(100γb/100+mc)gm/cc	2.23	2.24
MDD	2.27	2.27
OMC	6.10%	6.10%
% compaction obtained	98.36	98.63
% compaction required	98%	98%

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Consultant's Representative

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Project	Development works to be under taken in ward no.8 of BBMP around solidwaste disposal procesing units bellalli bagaluru and kattigenalli , byatarayanapura constituncy ,
Client	Bruhat Bengaluru Mahanagara Palike
Consultant	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri.A G. Narayana Swamy.

Field Dry Density test by Sand Replacement Method (As per IS 2720 (Part 28)

	Date:	**25-06-2021**
Layer no. or level	WMM I layer	
Depth of hole	200mm	
Field density:	**1**	**2**
Chainage	**Chokkanahalli Layout Main Road at Ch:440**	**Chokkanahalli Layout Main Road at Ch:560**
Wt. of wet material from hole (Ww) gms.	5988	5990
Wt. of sand+cylinder before pouring (w1) gms.	15000	15000
Wt. of sand+cylinder after pouring (w2) gms.	10595	10594
Wt. of sand in hole+ cone (w3) gms.	4405	4406
Wt. of cone gms.	1080	1080
Wt. of sand gms.	3325	3326
Bulk density of sand (γs)gm/cc	1.32	1.32
Bulk density of material(i.e. wt. of the wet material) (γb)=(Ww/w4*(γs))gm/cc	2.38	2.38
Moisture meter reading(moisture content)	6.40	6.20
Result		
FDD(Wt.of the dry material)=(100γb/100+mc)gm/cc	2.23	2.24
MDD	2.27	2.27
OMC	6.10%	6.10%
% compaction obtained	98.42	98.61
% compaction required	98%	98%

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TEJUS CONSULTANTS

Project	Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.
Client	Bruhat Bengaluru Mahanagara Palike
Consultant	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri.A G Narayana Swamy.

Field Dry Density test by Sand Replacement Method (As per IS 2720 (Part 28)

	Date:	**25-06-2021**
Layer no. or level	Sub Grade I layer	
Depth of hole	200mm	
Field density:	**1**	**2**
Chainage / Location	**Agrahara Layout Main Road '@435**	**Agrahara Layout Main Road '@620**
Wt. of wet material from hole (Ww) gms.	6328	6284
Wt. of sand+cylinder before pouring (w1) gms.	15000	15000
Wt. of sand+cylinder after pouring (w2) gms.	9722	9712
Wt. of sand in cone (w3) gms.	875	875
Wt. of sand in hole (w4)=(w1-w2-w3) gms.	4403	4413
Bulk density of sand (γs)gm/cc	1.316	1.316
Bulk density of material(i.e. wt. of the wet material) (γb)=(Ww/w4*(γs))gm/cc	1.89	1.87
Moisture meter reading(moisture content)	9.00	8.50
Result		
FDD(Wt.of the dry material)=(100γb/100+mc)gm/cc	1.74	1.73
MDD	1.81	1.81
OMC	9.40%	9.40%
% compaction obtained	95.87	95.42
% compaction required	95%	95%

Asst. Executive Engineer Project Division Yelahanka Zone BBMP, Bangalore - 92

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike				
Project	Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.				
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore				
Contractor	Sri.A G. Narayana Swamy.				
Total Weight:	10000	gms			

SIEVE ANALYSIS

Type of Material	20 mm down size	**Proposed Use**	Concrete
Sample Location	At Plant	**Date of Sampling**	29-06-2021
		Date of Testing	30-06-2021

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
40.00 mm	0	0	0	100	100
20.00 mm	263	263	2.63	97.37	95 - 100
10.00 mm	4765	5028	50.28	49.72	25 - 55
4.75 mm	4298	9326	93.26	6.74	0 - 10
Pan	674	10000			

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 64

Remarks : Satisfactory / Not Satisfactory

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.
Consultants	TEJUS CONSULTANTS
Contractor	Sri.A G. Narayana Swamy.
Total Weight:	10000 gms

SIEVE ANALYSIS

Type of Material	**12.5 mm down size**	**Proposed Use**	CONCRETE
Sample Location	At Plant	**Date of Sampling**	29-06-2021
		Date of Testing	30-06-2021

IS Sieve Size (in mm)	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
20.0	0	0	0	100	100
12.5	522	522	5.22	94.78	90-100
10.0	4562	5084	50.84	49.16	40-85
4.75	4288	9372	93.72	6.28	0-10
Pan	628	10000			

Remarks : ✓ Satisfactory / Not Satisfactory

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TEST REPORT

Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri.A G. Narayana Swamy.

SPECIFIC GRAVITY AND WATER ABSORPTION

FINE AGGREGATE (IS-2386-PART-3)

Type of Material	M sand	**Proposed Use**	concrete
Location/Source	At Plant	**Date of Sampling**	29-06-2021
Period of Soaking	24 hours	**Date of Testing**	30-06-2021

Sl. No.	Test Property		TRIAL - 1	TRIAL - 2	TRIAL - 3	
A	Weight of sturated surface dry sample gm.		665	645	650	
B	Weight of oven - dry sample gm.		657	638	642	
C	Weight of Pycnometer Filled with water gm		1275	1275	1275	
D	Weight of Pycnometer + sample + water gm		1693	1680	1683	
E	Bulk specific gravity	$\frac{B}{(C+A-D)}$	2.660	2.658	2.653	2.657
G	Absorption (%)	$\frac{(A-B)*100}{B}$	1.218	1.097	1.246	1.187

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Authorised Signatory

Asst. Executive Engineer Project Division Yelahanka Zone BBMP, Bangalore-92

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TEJUS CONSULTANTS

GRADATION FOR GSB
(As per MORT&H 400-1,Grading-II)

Name of Work	:	Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.
Client	:	BRUHAT BANGALORE MAHANAGARA PALIKE
Consultant	:	M/s Tejus Consultants
Contractor	:	Sri.A G. Narayana Swamy.
Date of Testing	:	30-06-2021
Type of Mix	:	GSB
Sample I/D	:	GSB2

Sample Location:	Thirumenahalli Main Road	**Date of Sampling:**	29-06-2021	
		Date of testing:	30-06-2021	
Type of material & Purpose:	GSB	**Oven Dry Wt.(gms):**	10000.0	

IS Sieve size in mm	Weight retained	Cummulative weight retained (gm)	Cummulative % of retained	Cummulative % of passing	Specification limits
75	0	0	0.00	100.00	-
53	0	0	0.00	100.00	100.00
26.5	2215	2215	22.15	77.85	70-100
9.5	2535	4750	47.50	52.50	50-80
4.75	892	5642	56.42	43.58	40-65
2.36	1207	6849	68.49	31.51	30-50
0.425	1902	8751	87.51	12.49	10-15
0.075	840	9591	95.91	4.09	<5
Pan	409.0				
Total	10000.0				

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.
Consultants	Tejus Consultants, Bangalore
Contractor	Sri.A G. Narayana Swamy.

SIEVE ANALYSIS

Total Weight:	3000 gms		
Type of Material	M sand	**Proposed Use**	concrete
Sample Location	At Plant	**Date of Sampling**	30-06-2021
		Date of Testing	30-06-2021

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-II)
10.00 mm	0	0	0	100.00	100
4.75 mm	214	214	7.13	92.87	90 - 100
2.36 mm	317	531	17.70	82.30	75 - 100
1.18 mm	445	976	32.53	67.47	55 - 90
0.600 mm	492	1468	48.93	51.07	35 -59
0.300 mm	712	2180	72.67	27.33	8-30
0.150 mm	628	2808	93.60	6.40	0 - 10
Pan	192	3000			-

Remarks : Satisfactory / Not Satisfactory

Asst. Executive Engineer
Project Division
BBMP, Bangalore - 92

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Test Report on Cement

Project	Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri.A G. Narayana Swamy.
Sample ID	Cement (ACC Cement) OPC 43 Grade
Date of Sample Tested	30-06-2021
Sample Supplied By	Agency

Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	101Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	478Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	6 mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	29.00%	25 % to 35

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Project	Developments works to be under taken in Ward No 05 of BBMP around Solid Waste Disposal Processing Units Bellahalli Bagaluru and Kattigenahalli Byatarayanapura Constituency
Client	Bruhat Bengaluru Mahanagara Palike
Consultant	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri A G Narayana Swamy

FLAKINESS AND ELONGATION INDICES (IS 2386, PART I)

Type of Material	WMM	**Proposed Use**	**WMM**
Sample Location	Thirumenahalli Main Road	**Date of Sampling**	**30-06-2021**
		Date of Testing	**01-07-2021**

Size of aggregate		**Flakiness Index**		**Elongation Index**	
Passing through IS sieve, mm	**Retained on IS sieve, mm**	**Total wt. of aggregate retained on sieves (A) gms.**	**Wt. of aggregate passing from Flakiness gauge (B) gms**	**Wt. of aggregate retained on Flakiness gauge (C) gms**	**Wt. of aggregate retained on Elongation gauge after retained on Flakiness gauge(D)gms**
63.0	50.0	0	0	0	0
50.0	40.0	0	0	0	0
40.0	31.5	0	0	0	0
31.5	25.0	0	0	0	0
25.0	20.0	0	0	0	0
20.0	16.0	611	82	521	75
16.0	12.5	1130	120	980	115
12.5	10.0	775	56	720	56
10.0	6.3	620	65	566	45
Total		**3136**	**323**	**2787**	**291**

Note: Minimum 200 Pcs should be taken on each fraction of test

Flakiness Index(%):	10.30
Elongation Index(%):	10.44
Combined FI+EL (%)	20.74

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Project	Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.
Client	Bruhat Bengaluru Mahanagara Palike
Consultant	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri.A G. Narayana Swamy.

AGGREGATE IMPACT VALUE (IS: 2386 Part - 4)

Proposed Use	WMM	**Date of Sampling**	**30-06-2021**
Sample Location	Thirumenahalli Main Road	**Date of Testing**	**01-07-2021**

Sl. No.	Description		Test No. 1	Test No. 2	Test No. 3	Spec Limit (%)
1	Wt. of stone pieces (dry) passing IS Sieve 12.5mm but retained in IS sieve 10mm (gm)	(Wa)	363.00	374.00	342.00	
2	Wt. of the fraction retained in IS sieve 2.36mm after the impact test (gm)	(Wb)	272.00	280.00	258.00	
3	Wt. of the fraction passed in IS sieve 2.36mm after the impact test (gm)	(Wc)	91.00	94.00	84.00	
4	Aggregate Impact Value (%)	(Wc/Wa)*100	25.07	25.13	24.56	
5	Average Aggregate impact value	(%)	24.92			Max - 30 %

Remarks : Satisfactory / Not Satisfactory

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Project	Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri.A.G. Narayana Swamy.
Grade of concrete:	M20
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959
Sample Location	Ch:62 LHS Noor Nagar Main Road (For Raft)

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	01-07-2021	08-07-2021	7 days	8.155	22500	311	13.82	13.76
2	01-07-2021	08-07-2021	7 days	8.164	22500	308	13.69	
3	01-07-2021	08-07-2021	7 days	8.195	22500	310	13.78	

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

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Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri.A G. Narayana Swamy.
Grade of concrete:	M20
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959
Sample Location	Ch:62 LHS Noor Nagar Main Road (For Raft)

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	01-07-2021	29-07-2021	28 days	8.158	22500	515	22.89	22.71
2	01-07-2021	29-07-2021	28 days	8.169	22500	507	22.53	
3	01-07-2021	29-07-2021	28 days	8.175	22500	511	22.71	

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